

AWARDS MADE FOR EYE RESEARCH BY DR. K. T. COMPTON

Citations Concluded Convention
Of New England Council
Of Optometrists

NEW SCIENCE OF SEEING

New Eye Defects and Apparatus For Remedying Them Are Discovered

For separate outstanding achievements in eye-research the Lighting Research Laboratory, General Electric Company, and the department of Research in Physiological Optics, Dartmouth Medical School, were awarded gold medals yesterday by President Karl T. Compton of the Institute, on behalf of the Distinguished Service Foundation of Optometry, as part of the three-day convention of the New England Council of Optometrists, which was concluded at the Institute yesterday.

Investigations by Dr. M. Luckiesh, director of the Lighting Research Laboratory, and his colleague, Frank K. Moss, related to the part proper illumination plays in conserving human eyesight and resulted in the creation of a new science of seeing, a combination of lighting and optics scientifically applied.

New Eye Defect Discovered

Discovery of a hitherto unrecognized type of eye defect, due to small differences in the size and shape of ocular images, and the development of apparatus and lenses to detect and remedy such defects were made by the department of Research in Physiological Optics, Dartmouth Medical School. The personnel of this department consists of Adelbert Ames, Jr., LL.B., A.M., research professor of Physiological Optics, Gordon H. Gliddon, Ph.D., assistant professor of Physiological Optics, Kenneth N. Ogle, Ph.D., research fellow in Physiological Optics, Leo F. Madigan, research clinician in Physiological Optics, and Elmer T. Carleton, M.D., associate research clinician in Physiological Optics. The previously unrecognized type of eye defect discovered by the department of Research in Physiological Optics, was found to be an unsuspected cause of headaches, eye strain, and various systematic disturbances not relieved by any refractive correction.

Results of these separate research undertakings are of great importance, not only to those engaged professionally in the

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Tickets On Sale Today For Dance Following Prom

Junior Prom Tickets Still On Sale But Best Table Places Sold

Tickets will go on sale today for the ever Key Society's tea dance which is to be held on Saturday afternoon following the Junior Prom. They may be purchased from members of the Society at 50 cents each. A committee appointed to arrange an orchestra and make other necessary arrangements includes Edward Wemple '33, chairman; Robert M. Imball '33, and Richard L. Fossett, '33.

Sammy Liner, former pianist at the Metropolitan Theatre, Boston, and his orchestra, have already been engaged to supply music for the affair. To reduce expenses, the decorations purchased for the Junior Prom will be used again for the tea dance. There will be no added charge for refreshments which will be served during the dance.

Junior Prom tickets may still be secured in the Main Lobby. It will be difficult to obtain desirable table reservation at this late date. A decision of the Prom Committee to remove three tables has further limited the number of available places.

Dormitories Defy Depression By 98 Cent Dance

Sammy Liner Will Play at Third Informal Dormitory Party

In tune with the times, the Dorms are staging a depression dance for only ninety-eight cents per couple, in Walker Memorial, Friday night. Sammy Liner, who accompanies Ranny Weeks on his Sunday radio program, will be on hand with his eleven-piece orchestra. Sammy used to be featured on the stage of the Metropolitan Theater, as well as playing in their symphony orchestra.

Highest-Priced Orchestra

In spite of the astoundingly low subscription price, the Dormitories are paying more for this orchestra than has ever been paid for music at one of their informal dances. "Spring Informal" is the exact title assigned to this gift of the depression. Formerly, at least \$1.50 was charged for the annual spring affair, although the orchestras obtained could not compare with the present one.

Plays at Wellesley

Sammy Liner's orchestra plays for most of the dances at Wellesley College, and for many important social functions. He personally accompanies Ranny Weeks over Radio Station WNAC every Sunday evening from 8.15 to 8.30 o'clock, and plays in the New England Club program on the air every Sunday, Monday, and Wednesday.

Expect Capacity Crowd

In view of the inviting cost, Bruno Werra '32, chairman of the Dormitory Dance Committee, expects to see over two hundred couples present at this function. The capacity of the Main Hall of Walker is rated as 230 couples.

STUDENT CRASHES WITH PROFESSOR AS CARS COLLIDE

Eager Crowd Sees Automobiles Smash Together Behind Building 10

EXPLANATIONS OBSCURE

Crowds of curious students peered forth out of automobiles, through windows, and from behind horn-rims to witness the sad demise of two automobiles in collision behind Room 10-250 late yesterday afternoon. Attracted to the scene by the sound of a crash that echoed and re-echoed up and down the length of the building, they gathered thick and fast to witness the fun. "Tests?" incredulously exclaimed one interested bystander. "Now what are they testing?"

Blocking the road, smashed together at a substantial angle, the two automobiles appeared as one. Two tall individuals stepped nimbly from behind the controls, neither injured to any extent by the sudden impact, but both not a little shaken by the rude jolt which they had just received. Observers noticed with considerable interest that the driver of the first car was none other than Professor William H. Timbie, head of Course VI-A, while the other victim of circumstances was Graduate Student Louvian G. Simons. "See how professor and student stick together," remarked one bystander.

Slight Damage

The Chevrolet, with Professor Timbie at the wheel, had nosed itself affectionately under the bumper of the Jordan Eight driven by Simons with the result that the two front wheels of the larger car were so skewed out of line that one of them pointed north while the other pointed

(Continued on page three)

Inter-Fraternity Conference Will Hold Big Dance

Eighteen Houses Report Plans For Booths At Circus In Meeting

At a meeting of the Interfraternity Conference last night, it was decided, after much dispute, to have another Spring Dance this year on May 6. Houses will be assessed for half of their members at the rate of three dollars per head.

An overwhelming majority of the houses were in favor of having the customary big spring dance this year. After lengthy discussion, it seemed possible that the annual function this year would be a sport dance, and be held at a country club. According to Robert B. Semple '32, chairman of the Social Committee of the Interfraternity Conference, the coming dance will be as large as the fall dance.

Food Plan Voted Down

As a climax to a prolonged discussion of a cooperative food-buying plan, in which the fraternities would be assisted by the Walker Dining Service, the idea was voted down at last night's meeting. Many members, however, were in favor of the commissary amalgamation.

Discuss Circus Plans

Francis S. Chambers '32, chairman of the Tech Circus Committee, introduced the subject of the Circus, and a lively discussion ensued. Much enthusiasm was shown as it was learned from their representatives to the meeting that eighteen fraternities will obtain booth concessions at the Circus. Among the plans for booths, several unique ideas were revealed. In the good old Circus spirit, roulette wheels and other forms of gambling devices will be much in evidence.

(Continued on page four)

RUMORS FILL AIR WITH APPROACH OF TECH CIRCUS DAY

Students to Attend Classes In Dilapidated Clothing On Big Day

NO PLANS ANNOUNCED

Fraternity Wants To Operate Cable Railway Over Floor Of Armory

Wild rumors, growing ever wilder, like the ominous rumbles of an approaching landslide, herald the advent of the Tech Circus which threatens to engulf the entire student body in an avalanche of riotous abandon, obliterating every characteristic which marks Technology's undergraduates as "serious-minded" young men.

But as yet most of the rumors remain unconfirmed, none of the groups connected with the Circus wishing to make any statement concerning the nature of the entertainments or distractions to be brought forth on the momentous evening of April the first.

Many Features

One of the whispered stories promises a girl show; another a roulette wheel with the blue sky as the limit. It is said that one fraternity wants to erect and operate a cable railway of their own design from which intrepid passengers may view the seething mob from their vantage point near the roof of the armory.

One tale has been definitely verified, however, for that part of the festivities known as Old Clothes Day has the official approval of the Circus Committee. Visitors at Technology on the day of the Circus will witness the amazing spectacle of class rooms filled with persons clad in the most disreputable of dilapidated apparel. Even the astute Faculty members will don the garb of stevedores and hoboes to help create the proper atmosphere for events of the evening.

"WILLIE" JACKSON WALKING DIRECTORY OF TECHNOLOGY

Carries Detailed Information Of Institute About On Finger-Tips

Fads in engineering!
Vogues in sciences!

Few people realize their existence, but William Jackson, of the Information Office, has been observing them for years and assures us that they are very real. Every summer Mr. Jackson talks with a great number of prospective students and their parents, supplying information about courses and admission requirements. Each year he has observed among the new men a preference for a certain course; a preference which changed from time to time, much as the fashions in clothes vary with the years.

Engines Attracted Many

Steam engines attracted the fancy of a large number of men in Technology's early days and even now there are many who are fascinated by locomotives and are filled with a desire to learn more about their mechanism. The telegraph next held the center of the stage and for years it was every boy's ambition to be a telegrapher. Next came radio, only to be displaced in a few years by the airplane. Stimulated by the war and by the vast amount of publicity which has been employed to make Americans "air minded," the interest in flying grew to enormous proportions among the youth of the country and the number of applicants for admittance to the course in Aeronautical Engineering has increased in proportion.

But the airplane has already passed its peak. Perhaps the future engineers have discovered that there is but little romance in airship design and wing theory. Fewer queries about the Aeronautical Course are being received at the Information Office. A new favorite has been found.

"Television?" No, this time the oldest and not the newest in science takes the spotlight. Just as the old fashions sometimes regain their popularity, as did the



WILLIAM JACKSON

Egyptian haircuts worn by the women a few years ago, and the Eugenie hats, so now Pure Physics, one of the oldest of the sciences, is again in vogue. The publicity given Einstein and other physicists in recent years has attracted the attention of the world to the study of Physics and the effect is felt in Technology's Information Office where Mr. Jackson now answers dozens of questions about Course Eight.

First Visitors See Jackson

No doubt you remember the first time you visited Technology. Ten to one the first room you entered was the Information

Office and the first man you spoke to was Mr. Jackson. Perhaps you were startled by the ease with which he answered your question and as you left you may have reflected that his must be a difficult task, to keep at his fingertips a vast amount of detailed information concerning everything connected with Technology.

But the answering of questions is but a part of the work conducted in Room 10-100. A vast amount of correspondence is sent out and received through this office. Bulletins, catalogues, and other publications are sent to persons asking for them, and many of the queries of men seeking admission are answered here to reduce the work of the Admissions Office. Material is sent to all parts of the civilized world.

"Willie" Official Handshaker

Mr. Jackson also acts, at times, in the capacity of Technology's official reception committee when lecturers, educators, and other prominent persons visit the School. It is he who conducts the visitors on tours of inspection through the buildings. His office thus forms the main link between Technology and the outside world, and has come to be called "Technology's Open Door."

One phase of the work done in Room 10-100 about which little is heard is the disposal of discarded material. Apparatus in the laboratories which is replaced by more modern equipment is collected and sent to the poorer colleges in other sections of the country, where it can be used to good advantage. Occasionally some of the books in the Institute libraries are removed because they have gone out of date or for other reasons and these are disposed of in the same manner. Most of the material is in good condition and is welcomed by the institutions receiving it. At the time this article was written a shipment which included a vacuum pump from the Physics Department, hundreds of discarded test tubes from the Chemistry Laboratories, and a number of books had just been sent to a college in the South.

"The Queen's Husband" On April 7, 8, 9

Dramashop Production Dates Changed To Avoid Conflict With Tech Circus

Because of conflict with the Tech Circus, Dramashop has changed the dates for presenting its forthcoming production. "The Queen's Husband" will be given on April 7, 8, and 9, instead of on the previously-proposed dates of the last two nights in March and on April 1. Tech Circus will take place on the earlier date. Cooperation was cited by Dramashop officials as their motive for the change in dates.

Choice Positions Open

Professor Dean Fuller, Dramashop dramatic coach, announced last night that a few choice managerial positions were open in this flourishing activity. Live-wire students interested in making a name for themselves are requested to see Professor Fuller in Room 2-176 in regard to the vacant offices.

Bi-weekly Rehearsals

Working diligently to perfect the farce-comedy, Dramashop is holding rehearsals Sunday and Wednesday nights from 7 until 9 o'clock in the Commons Room of Rogers Building, where the play will be formally given.

Work on the scenery has started under the direction of a special group of Technology architects. An elaborate set is required to represent the interior of the king's library. Construction of this set is well under way. Also, intricate light and sound effects are needed, and ingenious apparatus will be constructed to give the desired results.

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ANY RAGS, ANY BOTTLES, ANY BONES TODAY?

LONG ago in the dim dark ages before traffic lights shone in all their brilliance on every corner, there was an institution in this grand old country of ours. From the tales we have heard from our ancestors, we understand that every town and city, every village and hamlet used to have a personage of doubtful lineage, dirty linen, and lusty lungs who rode about on a small wagon pulled by a decrepit horse, shouting, "Any rags, any bottles, any bones today?" As proof that his efforts obtained results, our "institution" carted around behind him on the wagon a huge pile of old clothes, empty bottles, and perhaps a few bones.

In effect, if not in so many words, the Circus Committee has issued a warning to students. Under no conditions are undergraduates to sell, give away, or otherwise dispose of their old clothes, especially those that would come under the first classification of articles desired by the old junk man of the past. As a reason for their madness, the Committee tells us that with the revival of the Tech Circus, Old Clothes Day will come into its own again and students will have need of their most ragged rags. For one day, and appropriately April Fool's Day at that, unlaundered relics of the egg fight at the last Field Day will be appropriate apparel. The depression has us in its grip (so say some) and for once the Technology man may dress the part.

In years gone by, Old Clothes Day was a success, a tale has come down the line that at the last one member of the Faculty wore a pair of dungarees to class, and was the class surprised? Students came garbed in rags that were rags, and the spirit of Carnival permeated the Institute; everything contributed to the proper atmosphere for the Circus which followed. This year we shall have the chance to drag out that pair of pants so dirty that we have hesitated about sending them to the laundry. One more day's wear will come from them before the washwoman or laundry man gets them.

He was a great institution, this junk man, but until after the day of the Circus he will get little from us. Old Clothes Day is a great institution, and this year it blossoms forth again. The care-free spirit of a grand and glorious Circus is coming, and of Rags, Bottles, and Bones, the first will be in much evidence April 1st.

PURITANISM?

SOME years ago the collegiate predecessors of the present generation of college men were the subject of much public criticism for their apparent devil-may-care attitude and the conduct resulting from it. Whether the average undergraduate was the man described in the sensational writings is open to considerable doubt, and one may even think that the flaming youth was the creation of Percy Marks, P. Scott Fitzgerald, and newspaper men. It's the exception that attracts the attention, and it was probably the exceptional college man who was the subject of the "hot" stories.

But aside from the fact that it is likely that the unusual man was the cause of the "rah, rah college" myth, it remains that there has been a change of student attitude toward unreasonable conduct. While students may disregard legal statutes, it is true that every college man is most careful to abide by the campus code of his particular school. To be guilty of doing things offensive to the general student taste, as recognized in this unwritten code, is far more serious than failing to abide by legal restrictions.

It is the unexpressed student opinion limiting student conduct that has altered. Even in four years, the change has become apparent. There is nothing radically different from what it was a few years ago, but the general turn of the campus has been toward more restraint on the part of undergraduates. Some conduct permissible in the past is no longer tolerated by student opinion; closer limits are placed on student action. It has been a slow change, but a visible one. Will it continue? Is Puritanism to be the rule for the campus?

Details Of Heat Control System In New Laboratory Is Explained

Will Not Vary More Than One Degree From Normal Of 68 Degrees

Glorified refrigeration reaches a new high in the Institute's new Spectroscopic Laboratory. This refrigerator holds a ten-room laboratory in its protecting folds. The object of the refrigeration in this case is not to protect against the heat alone, but against the heat and the cold, the sun and the winds.

Any variation in temperature would spell disaster to the entire purpose of the Laboratory. Here one can forget about such things as New England weather and the like. Now if the lightning changes from hot to cold, or vice versa, cause the engineer's head to whirl, the Spectroscopic Laboratory will offer a welcome retreat.

Streamline Shapes Predicted For New Type Train and Car

Elimination Of Eddy Currents Will More Than Double Efficiency

Higher railroad speed with less power is envisioned by Dr. Oscar G. Tietjens of the Westinghouse Research Laboratories after more than a year's study of the effect of streamlining on train efficiency. The application to railroad equipment of those principles of aerodynamics which have been so fruitful in the design of racing cars and airplanes has produced impressive results which promise to introduce a new era in locomotive and coach construction. Conducting tests in a specially-constructed wind tunnel on models of present type and streamline cars, in winds of velocities varying up to eighty miles an hour, Dr. Tietjens concluded that streamlining will be valuable for medium and high-speed cars, and for heavy high-speed trains.

Efficiency Doubled

It requires 286 horsepower to drive the present type of light interurban car at 80 miles an hour. Wind tunnel tests indicate that this same speed can be attained by a streamlined car of the same type with only 140 horsepower. This means better than doubled efficiency. Even at 35 miles an hour, streamlining will save 30 per cent of the power required for the present type of car.

For heavier trains, where the friction losses are more appreciable, the increase of efficiency is substantial, although not so startling. In the case of a heavy locomotive and two heavy coaches, streamlining reduces the horsepower required for present equipment of similar weight by 13 per cent at 35 miles an hour, and by 32 per cent at 75 miles an hour.

Method of Streamlining

Streamlining of cars is effected by adding a new front and rear, a smooth roof-eliminating recesses for windows, and extending the sides down to cover the trucks.

The above results, which are claimed to have great precision, are expected to cause notable changes in the character and appearance of high-speed trains, as well as remarkable increases in operating efficiency.

NEW RECORDS ADDED TO WALKER CABINET

Classical Music Is In Majority In Latest Additions

Due to the contributions of music-lovers among the students of Technology, new records costing two hundred dollars have been added to the cabinet on the second floor of Walker Memorial.

Among the selection, which is classical, are compositions by most of the recognized masters. Of interest is the collection of Music Master albums, including compositions by Mozart, Stravinsky, Beethoven and Rossini. Schubert, Tchaikowsky and Wagner are well represented in the collection, while Liszt, Ravel and Bach are not omitted.

Groups recording the numbers represent an extremely high standard of quality, including the Philadelphia, Boston, Chicago, London and Berlin symphony orchestras. Singers include the Associated Glee Clubs of America, the La Scala Chorus and the Wagnerian Singers.

A thermostat that is guaranteed to work controls an electric heating system whose net product is a temperature which at no time varies by more than one-tenth of one degree from 68 degrees Fahrenheit in the experimental rooms. An automatic air conditioner sees that the humidity never goes below 35 or above 45 per cent.

It has been said that if all the heat were shut off during one of our coldest spells, it would take three weeks for the temperature in the central well to drop one degree. A mecca for apartment dwellers! Here they could laugh at janitors.

To accomplish this, the outer walls were made over four feet thick, composed of layers of brick, cork, air, and concrete. A thick layer of cork covers the whole building. The laboratory walls are made of concrete, four feet thick.

Two Types of Piles

All the piles that were driven last spring are divided into two kinds. One set is used entirely to support the outer building. These are not used to support the floor at all. The second set of piles all concentrate on the various sets of floors. Some of the concrete piles are driven at a slight angle to prevent lateral vibration.

Next comes a series of layers of fine sand, supposedly to absorb horizontal vibrations. This layer is six feet thick. Vertical shocks are prevented by the use of alternate layers of asbestos board and concrete. There are two concrete floors, each three feet thick.

The facilities of the Laboratory will enable science, figuratively speaking, to watch the atoms at play, at a far closer range than has ever before been obtained. The atom is at last being tracked to its once invincible lair.

As We See the MOVIES

R.K.O. KEITH-BOSTON
Paul Whiteman

It certainly has been a hard winter for the bankers and Paul Whiteman; he is about one hundred pounds lighter than he was at this time last year, but it has not had any effect on his leading or his band's playing. With him comes Jack Fulton, Jr., known as the "Croon Prince of Jazz," also Mildred Bailey, "Princess of Wails." The entire stage performance is worth seeing.

For a film attraction at the Boston, there is a sophisticated comedy, "Three Wise Girls," a story of a trio of girls about town, Dot, Cassie and Gladys, who love not wisely but too well, portrayed by Jean Harlow, Mae Clarke and Marie Prevost. They come to the city to make good and love hits them with varying results. The male cast includes Walter Byron, Jameson Thomas, and Andy Devine.

Pathe News and other short features fill out a rather entertaining bill, Paul Whiteman and orchestra being especially worthwhile.

FINE ARTS THEATRE
"The Road to Life"

Rarely is the Fine Arts Theatre mobbed to such an extent that one has to wait in line for over a half hour in order to get in, but that is what happened last night at the first night showing of "The Road to Life."

Almost from the first scene is one reminded forcibly of the previous Russian picture, "Old and New." The question brought to the mind on seeing either of the pictures is whether the scenes depicted are true or not. Let it be assumed that they are true.

After the war large bands of homeless, orphaned boys roamed the streets of the cities thieving, drinking, and dissipating in general. They were called the wild children of Russia. By means of a system of child collectives and a genuinely noble experiment these boys were transformed from the beasts that they were to active, responsible, clear-headed youths anxious for hard work.

That is all there is to the story; yet,

The American • College Editor

Opportunity for Engineers

The material achievements of modern civilization are largely the products of the creative and constructive abilities of engineers who have applied a highly successful technique to the creation of material devices. Evidences of this are so obvious that it is trite to urge the reader to reflect upon the numberless scientific achievements in such fields as those of machine design, power development, transportation and chemistry — not to mention but a few of the more important fields in which inventive genius, aided by engineering technique, has been highly successful. But there are other phases of our modern life which seem to cry aloud for the transforming influence of the engineering mind.

Everywhere today, in our period of nation-wide depression, we can discern great economic problems which must, we know, be solved if we are to avoid a repetition of this disastrous period of depression and gloom. Such problems as those of stabilization of currency, material control of production, adjustment of hours of labor, elimination of duplication and waste in economic processes, and the far distribution of wealth, can be solved only by careful study of the facts and by the application of well considered plans of action. To the solution of such problems the engineering type of mind seems admirably fitted.

Similarly, though perhaps to a lesser extent, many civic and social problems seem especially to demand the attention of the engineering type of mind for their solution.

Opportunity beckons us. Let us hope that some of us will have the good sense to so develop ourselves that we may take

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As We Like It

HOLLIS STREET THEATER
"Hedda Gabler"

The present era appreciates Henrik Ibsen less for what he had to say than for the manner in which he set it forth. The world has largely caught up with him, and unless we inspect his work in the historical spirit, we are bored by the solemnity of his teaching. Whatever popularity Ibsen possesses at the present day is due to other causes: his emotional fire, his superb theatrical sense, his ability to build plot on character.

Because it is more cold and intellectual, less emotional, less relieved by comedy and pathos than some of his other plays, "Hedda Gabler" has tended to become a "period" piece. It is primarily a vehicle for virtuosity, and the virtuosity in the present production is Miss Blanche Yurka. She acts with superb skill in a brilliant portrayal of the sensuous, coldly egotistical woman whom Ibsen wrought out of his imagination and made the focal point of the tragic story.

The actress is ably seconded: by Dallas Anderson, the pedantic husband, bustling among his books, guilelessly oblivious to

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even with its insistence and with the weight it puts on its few points, it is a vivid, continuous, dramatic narrative. The photographic technique was, as is usual in Russian pictures, excellent, with unusual effects. Soft focussing and rapid flashes were employed to great advantage.

This film was also the first Russian talkie, and it contained a well-balanced selection of music and singing. Although the speech was in Russian, the English subtitles by Michael Gold, were sufficiently explanatory.

D. H.

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Swimmers Enter Intercollegiates At Williamstown

Two Technology Records Set In Last Meet Of Season At Wesleyan

When Coach Untersee's swimmers journey to Williamstown on Friday and Saturday for the New England Intercollegiate Championships, two new Technology record-holders will be going along. In spite of the fact that the team was defeated by Wesleyan in the last scheduled meet of the season, Captain Jim Turner and Fred Vaughn let loose enough speed to set up new records in their respective events, the 200-yard breast stroke and the 440-yard freestyle races.

Turner's new performance of 2 minutes, 43 3-5 seconds bettered the old record which he himself set earlier in the year by 2 4-5 seconds. For the first 150 yards, the race was a close one with Turner, Flanders, and Guiffreda of Wesleyan scrapping for the lead. Turner and Flanders gradually surged ahead until at the last turn they held a distinct lead. On the last lap, Captain Turner pulled himself out in front to head his teammate by less than two feet at the finish.

Vaughn Breaks Record

In the 440-yard race Vaughn smashed the record of 5 minutes, 49 2-5 seconds, that had formerly been held by J. Jarosh. After springing into an early lead Vaughn was never headed and won by a safe margin.

Since Flanders is credited with lowering last year's record time earlier in the season, the two breast stroke specialists are expected to give good accounts of themselves over the weekend, while Coach Untersee looks to Vaughn to come through in his branch of the finals. The team will feel the loss of Lykes, a consistent winner in the dives, who was unable to swim against Wesleyan because of sickness and who will not be able to enter the championships.

PRESIDENT COMPTON PRESENTS CITATIONS

Convention of Optometrists Comes to Close

(Continued from page one)

examination of eyes, but also to many thousands of persons suffering from impaired eyesight.

Citations Made

Citations accompanying the award to Dr. Luckiesh and Mr. Moss, Lighting Research Laboratory, read:

"For creating a new science of seeing, a combination of lighting and optics scientifically applied, based on the results of years of research and experimentation, involving thousands of tests, and covering such essential subjects as visual acuity, speed of seeing, precision and accuracy, spectral character of light, glare and visibility, and fatigue due to defective lighting.

"By creating this new science of seeing, Dr. Luckiesh and Mr. Moss have opened a new field in which optometrists and lighting specialists may join forces in interpreting, coordinating and applying data so as to be of maximum value and service in the conservation of human vision."

The citation for the department of Research in Physiological Optics, Dartmouth Medical School, reads:

"For the discovery of a heretofore unrecognized type of ocular defect arising from slight differences in the size and shape of the ocular images.

"For the development of apparatus for determining the existence of such defects, their nature and magnitude.

"For the discovery and development of new types of lenses for correcting such defects.

"For the development, through the measuring and correcting of such defects in a sufficient number of patients, of a clinical technique for treating such cases."

Fellowships in the Foundation for various theses were awarded to L. Lester Beacher, Brooklyn, N. Y., Luther A. Gams, Philadelphia, Pa., James A. Shaw, Franklin, N. H., Ralph E. Eaves, Boston, Mass., Alaric J. Phaneuf, New Bedford, Mass., and George W. Keevil, Toronto, Canada.

GYM TEAM WILL MEET DARTMOUTH

Engineers Have Four Straight Wins To Their Credit

With four straight wins to their credit, the gym team will invade Hanover on Saturday to meet the well-balanced and able Dartmouth aggregation. So far this season the Engineer gymnasts have lost but one meet, to Navy, and have downed in quick succession Bowdoin, Princeton, and New York University.

The Green schedule has called for three encounters in which the Hanover outfit has had varying luck. They have defeated Bowdoin, tied Springfield, and lost to Princeton. However, in spite of their reverses, the Dartmouth team is listed as having several outstanding performers who are expected to give the Engineers some very stiff competition.

Abbott Returns

Captain Eric Ericson and Getting have been Coach Neudorf's most consistent point-getters this season. Ericson is credited with having won first places for the rope climb and parallel bars in four out of the five meets. This Saturday will also see the return of Abbott, who has been out of the lineup because of injuries. Abbott's only performance this year netted a first place in the Princeton encounter and his return is welcomed.

Combined Musical Clubs in Several Benefit Concerts

Join With Framingham Musical Club In Combined Dance And Concert

The Combined Musical Clubs will conclude a busy week on Friday with a joint concert and dance given at the Framingham Normal School in conjunction with the Framingham Normal School Musical Club. At this concert, which will be the first a Technology organization has taken part in at Framingham for over five years, the Glee Clubs of the two organizations will give several choral selections jointly. There will be dancing after the musicale.

Many Engagements

Several other concerts were given and will be given by various groups of the Musical Clubs on occasions this week. On Sunday afternoon the Glee Club presented the second Sunday Concert sponsored by the Faculty Club and the Dormitory residents, and on Monday evening this same group gave a concert for the Masonic Lodge in the Imperial Ballroom of Hotel Statler. Yesterday evening the Instrumental Club presented a concert for the employees of the Boston Consolidated Gas Company at the Company's building at 100 Arlington Street, Boston.

Tomorrow evening the employees of the Employees' Liability Assurance Company will be tended a concert by the combined groups of the Musical Clubs at the Company's offices in Boston. The Technicians will provide music for dancing which will follow the concert.

SCHEDULE ANNOUNCED FOR EXAMINATIONS

Condition Examinations Will Commence On March 26

Condition Examination schedules together with application cards were mailed today to all students registered in the second term. Coupled with this announcement was the usual painful news that each condition examination would inflict a five-dollar fee upon those diverting themselves in this manner.

Students are urged to fill in these applications as soon as possible so that any misunderstanding or conflict can be straightened out before March 14.

Students Vestless

Students must shed vests in the sanctum of the Columbia University library. The students must either retain their jackets or divest themselves of both coat and vest. Authorities maintain that a "vestless" or a "jacketed" student gives the most favorable appearance.

BEAVER BRAWN

Oscar Hedlund, who has produced a present aggregation which gives him plenty of pride and something to crow about, is sending quite a delegation down to Providence this weekend for the Olympic trials. The head trooper, of course, is fast-stepping Dick Bell, who will once more race with very fast competition. Bell should make the grade, and thus may get a free passage to Los Angeles this summer. Of course there will be real competition to give him plenty of worry. So much can happen in the short sprints. At any rate, all Technology is rooting for him to come through.

Further tracksters will be there to help get in on any honors. Freshman "Red" Holby has turned in some nice performances in the "1,000", and is expected to do things at the trials. Then the usual relay team, as well as more and more members of the team, will be in Providence to make the tryouts a little work for the successful competitors.

Big events this week are not so frequent, but they are big. Among them is the New England Intercollegiate for the swimming team. General success is not hoped for, or even suspected of the team, notwithstanding there are a couple of lads who will do some tall performing. Captain Turner, who incidentally hung up a new Engineer record at the last meet, is quite a flash in the breaststroke.

Likewise Freddy Vaughn has been coming up or in fast of late in his specialty, the "440." He didn't appear so spectacular early in the season, but in the last few meets Fred has been way out in front. Most unfortunate is the disablement of Lykes, the most consistent winner of the team all season. His diving has made at least one first in every meet of the season.

Also, and most incidental, is the N. E. I. Wrestling meet this weekend. With the grand total of a small win or two, not a thing is expected in the meet. That's that.

TRACK TEAM TO RUN IN PROVIDENCE MEET

Captain Jewett Will Run In Special Quarter-Mile

The Institute track team will bring a successful indoor season to a close this Saturday evening when they will compete in the amateur games in the Rhode Island Auditorium at Providence, R. I. The relay team will have one more chance to come through with a win. In large meets the relay team has had the misfortune of being stacked up against the pick of the Eastern colleges but the times which it has turned in have been excellent. Those running in the relay are Schwarz, Muliken, Wrigley, and Captain Jewett. Captain Jewett will also run in a special invitation 440-yard run.

Dick Bell will try to add another win to his laurels in the 40-yard dash. Other Technology men entered in this event are Sharpe, Keefe, Kinraide, and Ball.

"Red" Holby, the promising freshman miler, is entered in the 1,000-yard run and should finish well up with the leaders. He will, however, have plenty of competition from the other Technology entrants, Mann, Barrett, and Kearns.

VEHICLE COLLISION ATTRACTS STUDENTS

(Continued from page one)

south. The Chevrolet did not escape unscathed, either, for the force of impact was sufficient to shear the front bumper and throw the entire chassis of the lighter car out of line.

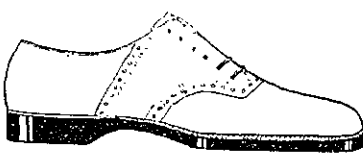
Explanations of the collision were both vague and obscure, for the drivers seemed to have had little recollection, the one of the other, until the connection was so intimate as to be most forcibly brought to their attention. The student, with a nonchalant air, calmly took down his opponent's license number on the only piece of paper at his disposal, writing this piece of information on the back of a Condition Exam, Course XI-A.

Professor Timbie, declining to leave his Chevrolet in such an undignified position, backed his vehicle out of the Jordan's hood. The student's car was so disabled by the collision that it could not be moved. Both drivers escaped without severe personal injuries, and with the adjustment of minor difficulties.

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Christian Science Lecturer Delivers Speech On Subject

Christian Science, Its Basis And Beliefs Discussed With Aspects

"Christian Science is the teaching of Jesus Christ made practical," so declared Mr. Robert Stanley Ross, speaking yesterday before a considerable audience assembled in Room 5-330. Mr. Ross, a well-known leader in Boston in his sect, was brought here at the request of students in the Institute.

Passing hurriedly over the more unimportant phases of his belief, he emphasized the very basis of Christian Science: That there was one and only one man; he is not a dual creation; he has no physical side; his only form is the mental. "What seem to be bodily experiences, sickness, failure, death... these are purely and simply conditions of mortal mind," Mr. Ross said.

Mind Has Effect On Body

Scientific experiments, he went on to say, have established beyond a shadow of doubt that the mind exercises a marked effect upon many of the vital organs of the body. In reference to one of the above experiments, Mr. Ross pointed out that the secretions poured into the body at the time of great rage and hate are actual poisons which will produce toxic effects if administered to healthy animals.

Christian Science functions on the belief that God's creation, man, was in keeping with all the rest of His handiwork, perfection in itself. The faults which we credit to our bodies are purely faults of our own imagination. Christian Science does not, therefore, treat these "ailments" by the use of surgery, medicine, and autosuggestion, for such treatment depends on the physical concept, but rather corrects such mental aberrations through the application of the spiritual and divine concept.

H. S. J.

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SCHOOLS TO HOLD TOURNAMENT HERE

Basketball Interscholastics To Be Held In Hangar

Technology will be the host this year for the Seventh Annual Eastern Massachusetts Interscholastic Basketball Tournament. This interscholastic high school tournament is to be held in the Hangar Gym on next Thursday.

Eight quintets will take place in this meet, consisting of Fitchburg High, Brockton High, Rindge Tech, Salem High, New Bedford High, Lowell High, Haverhill High, and Lynn English High. Henry T. McCarthy, Physical Director of the Institute, and a large group of basketball experts have gone over all possible entries and these eight are the final results, representing the cream of the secondary school teams east of Worcester County.

To date, the daily lineups have not been announced, but it is quite certain that they will be played on Thursday afternoon and two more will come off in the evening. The final games take place Friday evening.

Of the schools now entered, it is expected that the hardest fighting will be between Fitchburg High and Brockton High, these two being acknowledged the strongest of the field.

Student Golf

Students at Union College may play golf on week days throughout the year at a local golf club for the modest fee of \$10. Freshmen and Sophomores may substitute this for regular gym classes.

Why Freshmen Flunk

Love, intoxication and Faculty intelligence are the reasons for freshmen flunking out of school says a dean at Nebraska University.

Prof Marries

A professor at the University of Texas went to Germany, saw a likely looking young lady in a woman's hat shop and married her.



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Remember, American dollars are bigger and fatter in Europe this year than they have been in years. And living costs abroad are almost incredibly low—\$40 or \$50 a month will put you up at a snug little inn or pension, with food and lodging!

And Europe offers such a corking opportunity for you to polish up your "modern languages" or your European history—or what have you.

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OFFICIAL BULLETINS OF GENERAL INTEREST

Physics and Physical Chemistry
Massachusetts Institute of Technology
Wednesday, March 9, 3 p.m., Room 4-402
Theoretical Seminar for Graduate Students. Professor P. Debye will talk on "Ionic Forces in Electrolytes."

Wednesday, March 9, 4.30 p.m., Room 4-270
Lecture by Professor P. Debye.

Thursday, March 10, 4 p.m., Room 4-231
Physics Colloquium:
1. "The Scattering of Electrons from Metal Surfaces." Dr. P. L. Copeland.
2. "Hyperfine Structure in Simple Atomic Spectra." Dr. R. F. Bacher.

C·A·L·E·N·D·A·R

Wednesday, March 9

4.30 p.m. — Lecture by Professor Debye in Room 4-270.
6.15 p.m. — Civil Engineering Society Dinner, North Hall, Walker Memorial.
6.30 p.m. — Tau Beta Pi Dinner in Faculty Dining Room, Walker Memorial.

Thursday, March 10

4.00 p.m. — Physics Colloquium, Room 4-231.
5.00 p.m. — Meeting of the Radio Society in Room 10-275.
6.30 p.m. — Massachusetts Safety Council Dinner, North Hall, Walker Memorial.
6.30 p.m. — Basketball Teams Dinner in Faculty Dining Room, Walker Memorial.

Friday, March 11

4.30 p.m. — "X-Ray Scattering and Molecular Structure" Lecture by Professor P. Debye in Room 4-270.
9.00 p.m. — Dormitory Dance, Main Hall, Walker Memorial.

Undergraduate Notices

PROFESSOR ROGERS TO SPEAK

Professor Robert E. Rogers, Associate Professor of English at the Institute, will speak Friday before the Boston Author's Club on the subject, "Our Changing American Literature."

COMBINED MUSICAL CLUBS

Several important business matters will be discussed at a business meeting of the Combined Musical Clubs in Room 10-250 on March 15, at 5 o'clock. The most important detail will be the arrangement of the new constitution.

Accounting Papers By Course XV Graduate Students Win Prizes

Secure Three Of Seven Awards Made By Cost Accountant Organization

Announcement has been made that three graduate students working in Course XV have been awarded prizes in two essay contests recently conducted by the Boston Chapter of the National Association of Cost Accountants. The prize winners are Henry W. Jones '26, who was awarded a first prize of \$15 for a paper entitled "Cost Analysis in Relation to an Adequate Price Policy"; John C. Leslie '28, who was awarded a second prize of \$10 for a paper entitled "Cost Accounting Aspects of a Selling Price Policy"; and Francis A. Lutz '31, who was awarded a third prize of \$5 for a paper entitled "Accounting Machines and Business Control."

Jones is a graduate of Course X, Leslie of Course XV, and Lutz of Course XV. The contests under which these prizes were awarded were open primarily to business men and the three men named above were the only students in the list of seven prize winners. It is expected that at least one of the prize-winning papers will be published in the bulletins of the Association, which has a membership of 7,500 accountants and business executives.

Meteors Observed

A joint expedition of Harvard and Cornell Universities at the Lowell Observatory here, have observed six thousand five hundred meteors in an effort to throw new light on the universe.

Women Outnumbered

For the first time in the history of the institution, there are more men than women students this year at Arizona State Teachers' College here.

Registrar R. R. Powers has revealed that there are now 263 men to 210 co-eds.

The American College Editor

(Continued from page two)

advantage of this new field for the engineering mind, to the end that we may find happy employment having a real value to humanity.

— *Northeastern News.*

Grandpa and We

(From McGill Daily)

Among the many things upon which we of this age flatter ourselves, among the many aspects in which we regard ourselves superior to the Victorian era, is the absence of sentimentality. It is not seldom that there are sneers at the susceptibility of our grandparents to pathos; modern youth derides the thought of an audience weeping as it listened to Dickens.

Yet for all this self-satisfied laughing there is as much sentiment abroad today as in the days of voluminous crinolines. Our radios and theatres are dominated by it. We see and hear as often as we want of girls who are reluctant to love, of lovers who have been false, or rejected swains, of mothers who are far away, and of little boys who are alone in the world.

Surely there is more true pathos, more real emotion, in the death of Little Nell, than in the fact that someone has been deserted by someone's coal-black — and incidentally hot — mammy. Nothing could be more unreal than the transports of love set forth in our popular songs. Of course, lack of realism is not necessarily a fault. But it simply shows we are not the hard, reasonable, practical-minded beings we have sometimes imagined we are.

Any suggestion of defence of the Victorian age is usually regarded as heresy nowadays. But it is hard to condemn it entirely. Perhaps their steam-engines were not as big as our own, but then, on the other hand, neither were their depressions. And if conventions limited the actions of woman in the olden days, office work restricts their liberty now.

It is customary, too, to look upon times recently past as stuffy and dull. A survey of their literature will belie this belief. People seem to have been just as happy then, just as bright, just as intelligent, and as well, they seem to have been just as self-satisfied. Probably it is true that they had far less to do, but we have still to be convinced that leisure is to be despised. So perhaps there is something in the theory of compensation after all — perhaps what we gain in one way, we lose equally in another. Still, it would be well if the world were actually improving. That can easily be brought about. This century would be appreciably better than the last if it would only stop thinking how much better it is.

Ping Pong Made Recognized Sport In Dormitories

Petition Of Students Secures Sanction Of Dormitory Committee

In response to the petition of seventy-five members of the Dormitories, the Dormitory Committee voted Monday night to include ping pong in the list of recognized dormitory activities.

Several questions are under discussion as yet, such as the location of the tables and the manner in which the expense will be met. Among suggestions for a location, are the basements of the Dormitories, the gymnasium in Walker, and the number one squash court in the hangar gymnasium, which is at present almost unfit for squash.

The consensus of opinion Monday night seemed to indicate that the tables would be located at least temporarily in the visiting teams' room in the Dormitories. Whether the Dormitory Committee will meet the expense or whether those interested in the game will divide this item is still an undecided question.

While many may doubt the wisdom of including ping pong among the recognized Dormitory activities, it is interesting to note that Iowa State College has made this game a recognized sport. A number of other institutions have likewise made this step, showing the increasing popularity this game is enjoying.

As We Like It

(Continued from page two)

the biting sarcasm of his wife; by Russell Hicks, as the philandering Judge Brack, with the leer of poisonous worldly-wisdom on his handsome face; by Alexander Onslow, who portrays to perfection the impulsive and unstable genius that was Lovberg; by Phyllis Joyce, as the youthful, eager Thea Elvsted.

This "Hedda Gabler" is a masterpiece of superb acting, principally by Miss Yurka, but by the entire cast as well. Whatever the fate of Ibsen's ideas, this play remains a monument of dramatic characterization, a piece to test the ability of the best of actresses. Miss Yurka does an excellent job.

R. J. D.

COPLEY THEATER "Your Uncle Dudley"

Persons of gloomy turn of mind may predict constantly the imminent death of the theatre, but we venture to predict that as long as the theatre continues to offer productions like "Uncle Dudley," it will continue to live. Shaw and O'Neill may pall upon one, but a farce is almost always enjoyable.

Not that this one has any unusual merits; it is light and wholesome, and the plot does not amount to much. But it is well done, and, as they say all true comedy should do, it comes near to tragedy at times. But above all that, it keeps the audience laughing, and arouses their sympathies for the heroine.

The locale is a small city, and the story concerns a mother who has determined to make her daughter a prima donna, despite her love for a local boy. The mother lives with her brother, Uncle Dudley, who is so busy doing things for the community that his own business has gone to pot. There is, of course, the daughter and her pestiferous brother, and foxy Grandma.

All the characters are well done. Helen Ray gives an excellent portrayal of the managing mother; she makes the audience want to fall upon her in a body. Amy Loomis makes the grandmother seem very much alive, and projects her barbed remarks across the footlights effectively. Uncle Dudley, who is, we suppose, the hero, is done by Aldrich Bowker. The part is a bit grotesque at times, but is, all in all, the best in the play. The actors are capable, the play good, and the performance enjoyable.

C. W. S.

THESES, MANUSCRIPTS, SPECIFICATIONS

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STUDENTS PETITION FOR "NO SCHOOL" ON DERBY DAY

Many Students Of Columbia Express Intention Of Attending

WOULD POSTPONE EXAMS

(From Columbia Spectator)

Students have perennially writhed under the yoke of exams, and have repeatedly protested to the powers that be to release them from bondage. Now comes still another "petition and protest" directed against the examination system, which at least appears to have the merit of horse-sense.

The authors of this latest tirade do not demand such a sweeping change as total abolition. They announce that they will be content with far less — the postponement of the date of final examinations to a time when they will not conflict with the Kentucky Derby.

Addressed to the Faculty and Trustees of Columbia University, the petition voices the wrongs inflicted upon the student body in stirring language. "We, the undersigned undergraduate students of Columbia University desire to protest against the scheduling of the final examinations at a time which will conflict with the Kentucky Derby. Appreciating that many of our body will want to attend the Derby, we look with sadness at this triumph of bureaucracy which will prevent them from so doing without impairment to their scholastic standing.

"We, further petition the faculty and the Trustees of Columbia University to suspend all academic activities during a reasonable period before and after the Derby to permit the attendance of those sportsmen so desirous."

It was learned last night that the petitions had been circulated throughout the college and Law School and that the response was gratifying, giving every evidence that the goal of one thousand signatures set by the authors would soon be reached, this number, they insisted, was exclusive of the names to be obtained from Law School.

It was further learned that the project has the active backing of the editorial associate of *Spectator*.

Freshman Caps

Freshmen at Butler University prefer their colorful caps to the "prisoner's bob."

FRATERNITIES WILL HOLD SPRING DANCE

(Continued from page one)

As soon as a schedule for it is made out by Duke S. Selig, Jr. '33, chairman of the Athletic Committee, an Interfraternity Bowling Tournament will start. The matches will be held in the basement of Walker Memorial.

CAN NOW GET WEIGHT OF WELLESLEY GIRLS

If you know the biacromial width of a Wellesley girl, and a few other things, it's a simple matter to get her weight. All that must be done is to make the proper substitutions in this equation, and being quite familiar with equations, Institute students should have no trouble: weight equals 2.5014 times width of hips, plus 0.5245 times weight, plus 4.6024 times depth of chest, plus 0.8954 times biacromial shoulder width, plus 2.8644 times chest width, minus 209.2255.

If some young miss gives her qualifications as a list of the above measurements, it's purely a matter of arithmetic.



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Club features (free to guests) are as follows: Swimming pool; completely equipped gymnasium; game rooms for bridge and backgammon; roof garden and solarium. Restaurant and cafeteria service at reasonable prices.

Spring

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